Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/25/2018 10:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125482	0	2.30	125493	2.30
Blue	F	SSC	125000	124034	-1	2.15	124678	2.06
Blue	E	FITC	15760	15428	-3	3.02	333	22.95
Blue	D	PE	25880	25319	-3	2.10	551	17.27
Blue	B	PerCP-Cy5-5	34075	34065	-1	4.30	1036	22.98
Blue	A	PE-Cy7	22776	23138	1	7.48	563	45.25
Red	C	APC	42488	41591	-3	2.75	1566	13.23
Red	A	APC-Cy7	24478	24197	-2	2.90	828	13.15
Violet	B	V450	6304	6129	-3	4.27	343	18.64
Violet	A	V500	26005	24874	-5	3.82	584	13.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20839	10.95	609	12	N/A	N/A	Pass
Blue	F	SSC	56282	1.49	574	19	N/A	N/A	Pass
Blue	E	FITC	58	77.66	564	8	0.0154	244	Pass
Blue	D	PE	114	59.67	557	8	0.1198	297	Pass
Blue	B	PerCP-Cy5-5	197	56.78	657	10	0.0073	98	Pass
Blue	A	PE-Cy7	108	114.05	711	14	0.0091	31	Pass
Red	C	APC	372	28.33	602	2	0.0207	188	Pass
Red	A	APC-Cy7	203	28.45	574	3	0.0045	722	Pass
Violet	B	V450	54	87.86	492	3	0.0249	2492	Pass
Violet	A	V500	87	49.42	508	2	0.0122	1304	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.82	-31.11	1.00
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	17.27	13.60 - 20.40	N/A	N/A	30.87	31.54	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9784

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments